

Mercury Inventory

A Chlor-Alkali Perspective

Usage vs. Inventory

- **Inventory - amount of mercury in the process and storage vault**
 - **Process - Cells, decomposers, piping, etc.**
- **Usage - amount of mercury leaving process. Usage is independent of inventory changes.**
 - **Products, wastes, water, air**

Chlor-Alkali Industry Practices

- **Current Chlor-Alkali Hg Inventory**
 - **2,837 tons as of December 31, 2001**
- **Hg Cell Chlorine Capacity**
 - **1,378,410 tons per year**
- **Hg Inventory Ratio**
 - **4.1 lbs Hg per ton chlorine produced**

Pioneer Comparison

- **Industry Hg Inventory Ratio**
 - 4.1 lbs Hg per ton chlorine produced
- **Pioneer Hg Inventory Ratio**
 - 2.2 lbs Hg per ton chlorine produced
- **Pioneer was about half of industry average ratio at the end of 2001**

St. Gabriel Mercury Inventory

	12/31/01	12/31/02	12/31/03
Inventory	211	276	326
Inventory Added		65	50
Hg Inventory Ratio	2.2	2.8	3.3

2001 Industry Hg Inventory Ratio	4.1
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